A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000057-03

THE MACK'S INN SEWER TREATMENT PLANT, FREMONT COUNTY, 151 NORTH FIRST WEST, ST. ANTHONY, IDAHO 83445, AND IN TOWNSHIP 14N, RANGE 44E, SECTION 30 IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND THE WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON (60 MONTHS FROM ISSUANCE DATE)**……...**

Erick Neher, Regional Administrator
Idaho Falls Regional Office
Idaho Department of Environmental Quality

Issued: Draft

DEPARTMENT OF ENVIRONMENTAL QUALITY
900 NORTH SKYLINE, SUITE B
IDAHO FALLS, ID 83402
TELEPHONE (208) 258-2650

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

References

1. Plan of Operation (Operation and Maintenance Manual)
   - Odor Management Plan
   - Waste Solids Management Plan
   - Runoff Management Plan

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000057-03 and are enforceable as such. This permit does not relieve the Mack's Inn Sewage Treatment Plant, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac*in	Acre*inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season; May 1 through October 15
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance	Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to reuse hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions. Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined on page 3 of this permit. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F: Permit Limits and Conditions. $HLRngs = Soil\ AWC - Precipitation_{NGS} + Evapotranspiration_{NGS}$ for each hydraulic management unit.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac*day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre*inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)

NGS	Non-Growing Season; October 16 – April 30.
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year.
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the reuse treatment site.
Slow rate land application	Growing season irrigation with wastewater.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TKN	Total Kjeldahl nitrogen
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
VDS	Volatile dissolved solids
WW	Wastewater applied to the reuse treatment site

D. Facility Information

Legal Name of Permittee	Fremont County
Type of Wastewater	Municipal Wastewater
Method of Treatment	Aerated lagoon treatment with chlorine disinfection. Wastewater is slow rate land applied to native vegetation (no harvest) during the growing season, and snowfluent is generated and applied in the non-growing season. Facility effluent volume is reduced with an evaporator in the warmest months.
Type of Facility	Publicly owned treatment work (POTW).
Facility Location	Approximately 1 mile northeast of (Highway 20) Mack's Inn.
Legal Location	Township 14N, Range 44E, Section 30
County	Fremont
USGS Quad	Big Springs, Idaho
Soils on Site	USDA classifications: Perfa – very deep, sandy loam; moderately well drained. Bootjack – very deep, silt loam over sand; poorly to somewhat poorly drained.
Depth to Ground Water	Approximately 20 feet during high seasonal ground water conditions.
Beneficial Uses of Ground Water	Agriculture, domestic
Nearest Surface Water	Henry's Fork
Beneficial Uses of Surface Water	Domestic water supply, agricultural water supply, cold water biota, salmonid spawning, primary and secondary contact recreation, special resource water.
Responsible Official	Fremont County Commissioner Paul Romrell, Chairman 151 West 1st North; St. Anthony, ID 83445 Phone (208) 624-4271; Fax (208) 624-7335
Certified Operator	Daniel Lostutter, Systems Operator P.O. Box 202; Mack's Inn, ID 83433 Phone (208) 558-7341; Fax (208) 558-7641

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-057-01 Within one year of permit renewal	An updated **Plan of Operation** (Operation and Maintenance Manual or O&M Manual) for the wastewater reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the items in the latest revision of the Plan of Operation Checklist in the Reuse Program Guidance. The following shall also be included. 1. **Irrigation schedules** for the slow rate application prepared by a qualified professional and revised as necessary. 2. **Odor Management Plan** that encompasses wastewater treatment systems, reuse facilities, and other operations associated with the facility. The plan shall outline specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for, or limit, odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures. 3. **Waste Solids Management Plan** that describes how waste solids generated at the facility will be handled and disposed of to meet the requirements of Permit Section I.5. 4. **Runoff Management Plan** that describes control structures and other Best Management Practices (e.g. – collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater reuse, except in the event of a 25 year, 24 hour storm event or greater, using the Western Regional Climate Center Precipitation Frequency Map, Figure 28 *Isopluvials of 25-YR, 24-HR Precipitation*. For this site, the 25 year, 24 hour event is twenty four tenths of an inch ($^{24}/_{10}$ inches). Upon approval of the plan by the DEQ, the facility shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-057-02 Within one year of permit renewal	A **Well Locations Survey Report** of all ground water monitoring wells listed in Appendix 1 shall be provided to the DEQ. Horizontal locations shall be specified using the Public Land Survey system with accuracy to the nearest third quarter (i.e. Township, Range, Section, ¼, ¼, ¼). Vertical locations to top of casing shall be determined relative to a universally recognized vertical datum and specified to an accuracy of plus/minus one-hundredth of a foot (± 0.01 ft). Also provide the distance from the top of casing to ground level at the well to an accuracy of plus/minus one-hundredth of a foot (± 0.01 ft).
CA-057-03 Prior to permit expiration	Perform a **seepage test** on each lagoon in accordance with the latest DEQ procedure. The maximum leakage rate for each lagoon shall be no more than zero point twenty-five (0.25) inches per day. See IDAPA 58.01.16.493 et seq. If any lagoon is found to be leaking at a rate greater than 0.25 inches per day, the facility, in accordance with a schedule negotiated with and approved by DEQ, shall perform one of the following: a. Repair the leak and retest for compliance; b. Re-line the lagoon and re-test for compliance; c. Drain the lagoon in an approved manner and stop using the lagoon; or, d. Determine the impact of the leaking lagoon on the environment based on

Compliance Activity Number Completion Date	Compliance Activity Description
	ground water sampling and modeling. Any impacts must comply with IDAPA 58.01.11 *Ground Water Quality Rule*, and IDAPA 58.01.02 *Water Quality Standards*. If the impact does not comply with 58.01.11 or 58.01.02, the facility shall follow steps a, b, or c, above.
CA-057-04 Prior to permit renewal	Conduct a collaborative irrigation **site inspection** of current conditions; determine if long term silviculture plans will affect current and/or future site management practices.

F. Permit Limits and Conditions

1) The Permittee is allowed to apply wastewater and treat it on a reuse site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions		
Type of Wastewater	Municipal Wastewater		
Certified Operator	Required. See IDAPA 58.01.16.203		
Reporting Year for Annual Loading Rates	October 16 through October 15		
Application	**Evaporator**	**Slow Rate Application**	**Snowfluent**
Application Site Area	Lagoons	58 acres	12 acres
Application Season	May - October (184 days)	Growing season: May 1 thru October 15 (168 d)	Non-growing season: October 16 thru April 30 (197 days)
Maximum COD Loading	Not applicable	For each HMU, the seasonal average from all sources, including waste solids and supplemental fertilizers, is limited to: 50 lbs/acre*day	25 lbs/acre*day
Maximum Hydraulic Loading Rate	No limit; the evaporator is limited by months of operation.	18 inches/acre per growing season. 28.35 million gallons per growing season if entire 58 acre site is utilized.	36.8 inches/acre per non-growing season. At 25% sublimation/evaporation: 16 million gallons per NGS gross, 12 million gallons per NGS net.
Additional Evaporator Operating Conditions	The following conditions are applicable to the evaporator: 1. The wastewater effluent disinfection level is identical to slow land application and snowfluent requirements. 2. The evaporator system shall be shut down automatically if the wind speed exceeds 5 mph in the direction of the road or buildings. The evaporator system shall also shut down automatically when wind speeds are in excess of 20 mph in any direction. The total annual wastewater volume to the evaporator, as well as estimated evaporation shall be reported and submitted with your annual land application report.		
Maximum Phosphorus Loading Rate	No limit at this time. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.		
Disinfection Level	Total coliform: 23 organisms per 100 milliliters		
Buffer zones	Distance to public access	50 feet	
	Distance to Inhabited Dwellings	300 feet	
	Distance to streams	100 feet	
	Distance to private water sources	500 feet	
	Distance to public water sources	1000 feet	
	Single sample maximum total coliform level	240/100ml	
Runoff	Operate and maintain the facility and runoff control structures according to the approved Runoff Management Plan.		
Ground Water Quality	Ground Water Quality shall be in compliance with *Idaho Ground Water Quality Rule* IDAPA 58.01.11		
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the reuse system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.		
Allowable crops	Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed.		
Fencing and Posting	Signs should read “Irrigated with Reclaimed Wastewater – Do Not Drink” or		

	equivalent; to be posed every 500 feet and at each corner of the outer perimeter of the buffer zones of the site.
Supplemental Irrigation Water Protection	For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices are required.
Odor Management	The wastewater treatment plant, reuse facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan.
Grazing	Grazing is not allowed at the facility.

* For determining compliance with the 23/100 mL disinfection level, the median value of the last five (5) results must not exceed 23/100 mL. In addition, no single sample value shall exceed 240/100 mL.

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G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater* or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.

2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.

3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.

5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.

6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.

7) Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. For each soil management unit, the soil samples collected at 0-12 inches shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches and one for 24-36 inches for each soil management unit.

8) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.

9) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Wastewater to reuse flow meters[1]	Volume of wastewater	Gallons and acre*inches applied to each HMU; gallons to the evaporator.
Weekly	Discharge point of wastewater to reuse[1]	grab sample	Total coliform
Monthly	Discharge point of wastewater to reuse[1]	grab sample	pH, nitrate+nitrite-nitrogen, total phosphorus, TKN, TDS
Annually	Hydraulic management unit	Acres used for reuse	Acres
		Report total nitrogen and phosphorus load from wastewater, fertilizer, and all other non-wastewater application.	Nitrogen and phosphorus applied in lbs/acre*year
		Report hydraulic loading from wastewater and supplemental irrigation for each HMU.	Gallons/month, gallons/year, acre-in/month, acre-in/year of wastewater and supplemental irrigation water applied to each HMU
	Soil monitoring unit	Composite soil sample (See note 7)	Electrical conductivity, nitrate-N, ammonium-N, pH, plant available phosphorous, chloride, Cation Exchange Capacity
	All flow measurement locations.	Calibration of all flow meters	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all wastewater.
	Groundwater monitoring wells listed in Appendix 1.	Grab sample of groundwater	Static water level (depth, elevation and groundwater contour maps), total and dissolved iron, total and dissolved manganese, phosphorus, pH, TDS, total coliform, fecal coliform
First year of permit only	Soil monitoring unit	Composite soil sample	SAR, DTPA-Fe, DTPA-Mn

1: Not required for the evaporator.

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater Reuse Site Performance Report (Annual Report) prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year (the reporting period is October 16 through October 15). The Annual Report shall include results of the Section G monitoring requirements, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G *Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the Regional DEQ Office and the Wastewater Program Manager in Boise.

   Greg Eager, P.E.
   Idaho Falls Regional Office
   900 N. Skyline, Suite B
   Idaho Falls, ID 83402
   Phone (208) 528-2650

   Richard Huddleston, P.E,
   Wastewater Program Manager
   1410 North Hilton
   Boise, ID 83706
   Phone (208) 373-0561

4. Notice of completion of any work described in Section E *Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G *Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Not hydraulically overload any particular areas of the wastewater reuse treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director:

      DEQ Idaho Falls Regional Office: (208) 528-2650
      Emergency 24 Hour Number 1-800-632-8000

   d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

i. A description of the non-compliance and its cause;
ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code ə 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1: Environmental Monitoring Serial Numbers

Hydraulic Management Units

Serial Number	Sample Names	Description	Acres
MU-05701	MI 1; spray field; summer land application	Slow rate land application site	58
MU-05702	MI 2; Tower #1; snow application area	Snowfluent application site, west tower	6
MU-05703	MI 2; Tower #2; snow application area	Snowfluent application site, east tower	6

Wastewater Sampling Points

Serial Number	Description
WW-05701	Grab sample of disinfected effluent to slow rate land application.
WW-05702	Grab sample of disinfected effluent to the snowfluent process.

Soil Monitoring Units

Serial Number	Sample Names	Description	Associated MU
SU-05701	MI 1; spray field; summer land application	Slow rate land application site	58
SU-05702	MI 2; Tower #1; snow application area	Snowfluent application site, west tower	6
SU-05703	MI 2; Tower #2; snow application area	Snowfluent application site, east tower	6

Ground Water Monitoring

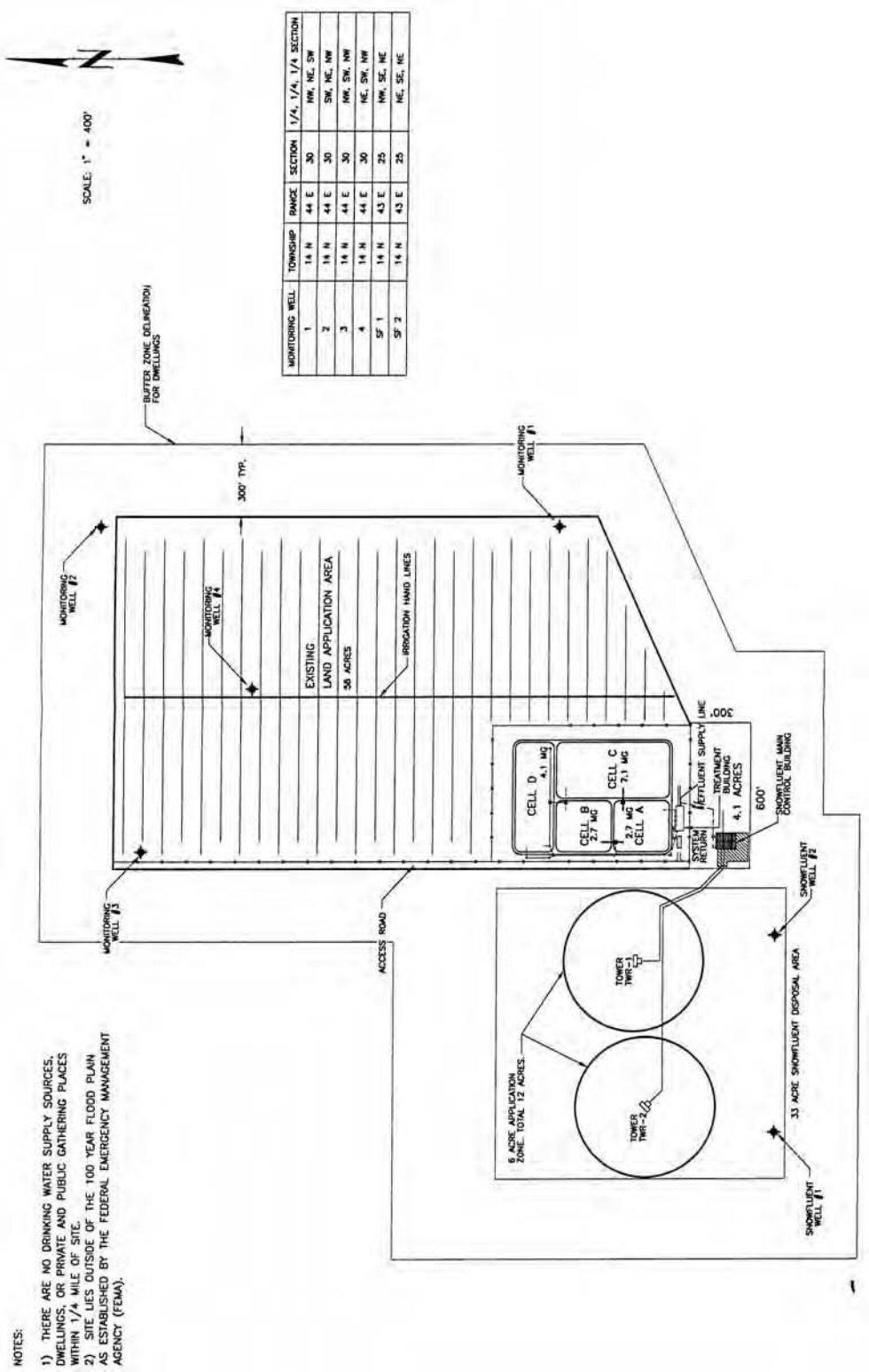
Serial Number	Sample Names	Description	Location
GW-05701	Well 1	Slow rate land application site, southeast corner	Up gradient
GW-05702	Well 2	Slow rate land application site, northeast corner	Up gradient
GW-05703	Well 3	Slow rate land application site, northwest corner	Up gradient
GW-05704	Well 4	Slow rate land application site, located in land application field	Down gradient
GW-05705	Well 5	Snowfluent application site, west tower	Down gradient
GW-05706	Well 6	Snowfluent application site, east tower	Down gradient

Lagoons

Serial Number	Description
LG-05701	Cell A, Lagoon No. 1
LG-05702	Cell B, Lagoon No. 2
LG-05703	Cell C, Lagoon No. 3
LG-05704	Cell D, Lagoon No. 4

Appendix 2: Site Maps

Mack's Inn Wastewater Treatment Facility

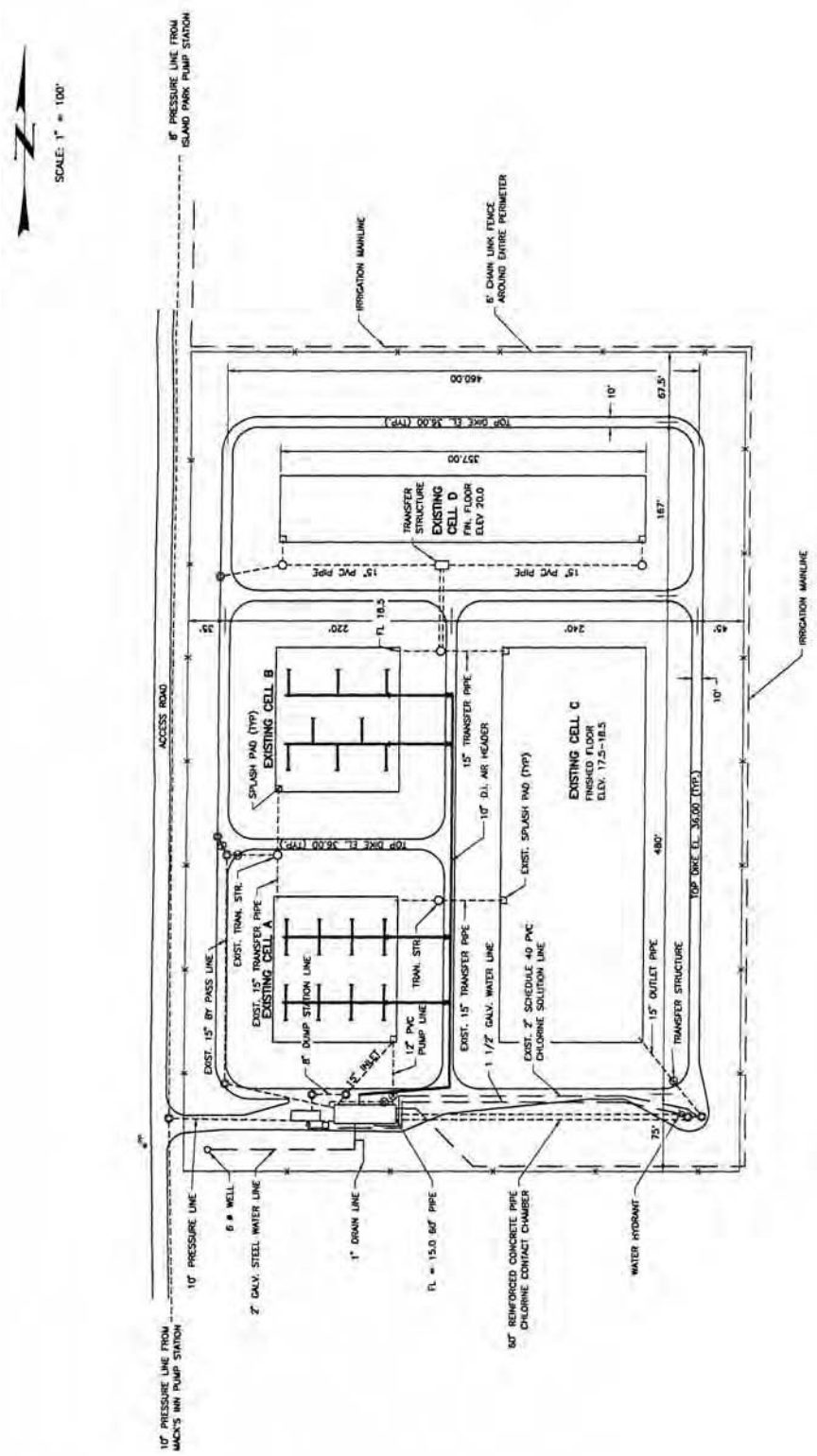


MONITORING WELL	TOWNSHIP	RANGE	SECTION	1/4, 1/4, 1/4 SECTION
1	14 N	44 E	30	NW, NE, SW
2	14 N	44 E	30	SW, NE, NW
3	14 N	44 E	30	NW, SW, NW
4	14 N	44 E	30	NE, SW, NW
SF 1	14 N	43 E	25	NW, SE, NE
SF 2	14 N	43 E	25	NE, SE, NE

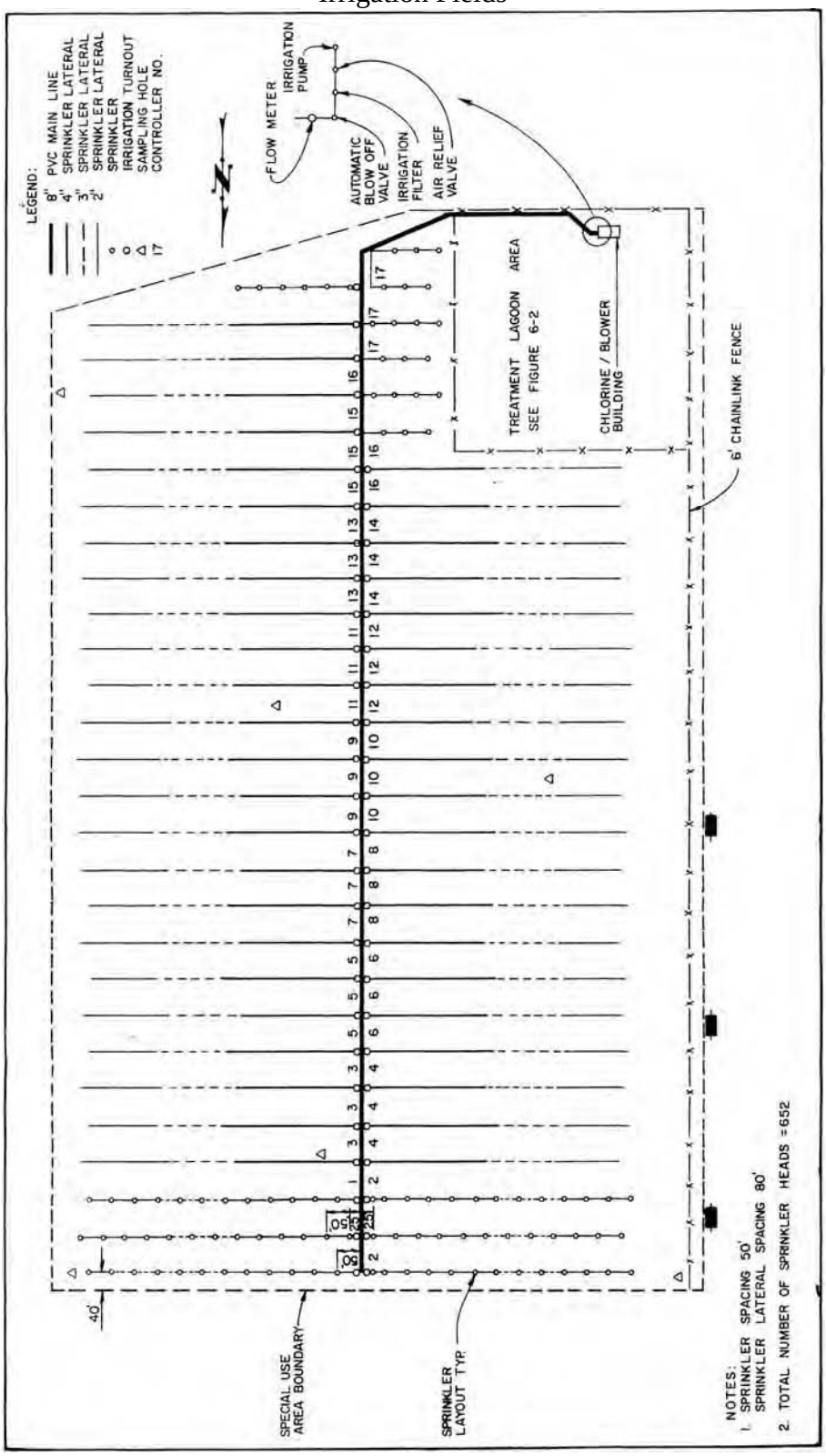
NOTES:

1) THERE ARE NO DRINKING WATER SUPPLY SOURCES, DWELLINGS, OR PRIVATE AND PUBLIC GATHERING PLACES WITHIN 1/4 MILE OF SITE.
2) SITE LIES OUTSIDE OF THE 100 YEAR FLOOD PLAIN AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

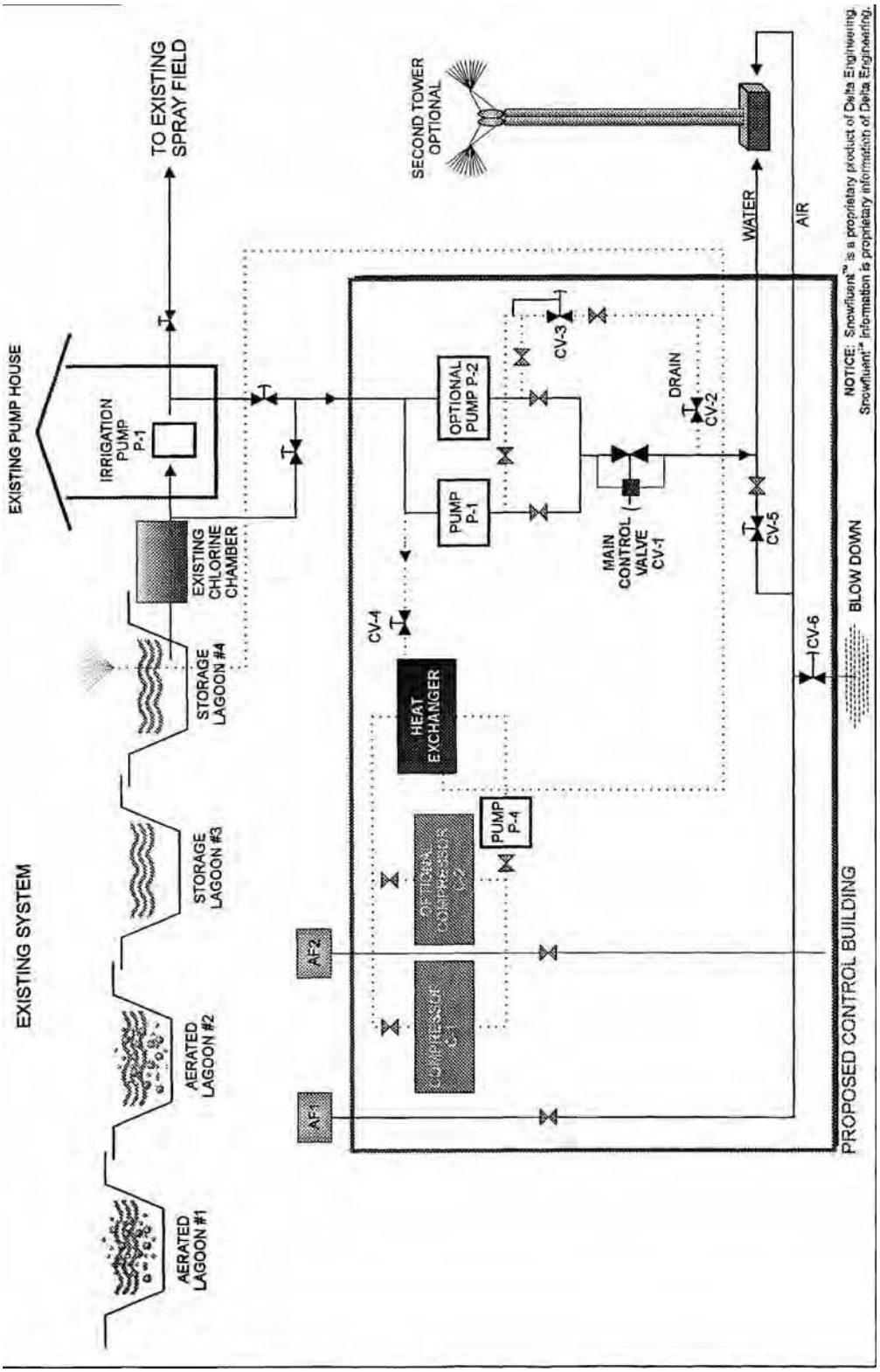
Lagoons


SCALE: 1" = 100'
8" PRESSURE LINE FROM ISLAND PARK PUMP STATION
IRRIGATION MAINLINE
6' CHAIN LINK FENCE AROUND ENTIRE PERIMETER
460.00
10'
67.5'
TOP DIKE EL. 36.00 (TYP.)
357.00
TRANSFER STRUCTURE
EXISTING CELL D
FIN. FLOOR ELEV 20.0
187'
15" PVC PIPE
15" PVC PIPE
35'
220'
FL 18.5
240'
45'
IRRIGATION MAINLINE
ACCESS ROAD
SPLASH PAD (TYP)
EXISTING CELL B
15" TRANSFER PIPE
10" D.I. AIR HEADER
EXIST. SPLASH PAD (TYP)
EXISTING CELL C
FINISHED FLOOR
ELEV. 17.5-18.5
480'
TOP DIKE EL. 36.00 (TYP.)
EXIST. TRAN. STR.
EXIST. 15" TRANSFER PIPE
EXISTING CELL A
EXIST. 15" BY PASS LINE
8" DUMP STATION LINE
TRAN. STR.
12" PVC PUMP LINE
EXIST. 15" TRANSFER PIPE
1 1/2" GALV. WATER LINE
EXIST. 3" SCHEDULE 40 PVC CHLORINE SOLUTION LINE
15" OUTLET PIPE
TRANSFER STRUCTURE
75'
10" PRESSURE LINE FROM MACK'S INN PUMP STATION
10" PRESSURE LINE
6 ø WELL
2" GALV. STEEL WATER LINE
1" DRAIN LINE
FL = 15.0 60' PIPE
60' REINFORCED CONCRETE PIPE CHLORINE CONTACT CHAMBER
WATER HYDRANT

Irrigation Fields



Snowfluent Schematic



Chlorine Building